

Determination of organic acids with AZURA Compact

Method VFD0110J
HPLC HILIC mode

Column: Eurospher II 100-5 HILIC, 150 x 3 mm ID

Order No. 15CE120E2J

Phase: Eurospher II 100-5 HILIC

Conditions: Eluent: A: 200 mM NH₄-acetate pH 6.8
B: Acetonitrile
Gradient: Isocratic 70 % B
Flow rate: 1.0 ml/min
Temperature: 25 °C
Volume: 1 µL

Detection: UVD 2.1L with 10 mm flow cell: 210 nm, 10 Hz, 0,2 s

Substances: Ascorbic acid, Citric acid, Fumaric acid, Maleic acid, Oxalic acid

Keywords: Organic acids, AZURA Compact, HILIC

Chromatogram:

- 1 Maleic acid
LOD: 0.016 mg/ml
- 2 Ascorbic acid
LOD: 0.258 mg/ml
- 3 Fumaric acid
LOD: 0.032 mg/ml
- 4 Oxalic acid
LOD: 1.770 mg/ml
- 5 Citric acid
LOD: 5.422 mg/ml

